

none

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none

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AN - 1979-35987B [19]

TI - Porous carbon particles prodn. - by granulating carbon black to spherical particles, impregnating with carbonisable binder, e.g. synthetic resin, tar, pitch etc. and heatin

AB - J54041296 Method comprises granulating C black of particle size of 150-3000A to a spherical form, impregnating the spherical material with carbonisable binder, and burning for carbonisation under inert atmos.

- The spherical forms are e.g. of size of 0.1-5 mm. The carbonisable binders are e.g. phenol-formaldehyde resin, epoxy resin, urea resin, furan resin, xylene resin, polyurethane resin, polyacrylonitrile resin, polystyrene, tar pitch and synthetic rubbers, being dissolved in solvent e.g. ethanol or acetone to use for impregnating at a rate of 0.1-1 times that of carbon black. Heating is effected at 110-130 degrees C for 90-120 min. for drying, and burning is effected at 500-1200 degrees C.

- The porous carbon particles show the particle size of 150-150,000A, micropore vol. of 0.05-1.0 cc/g, and mechanical strength to crushing of 0.6-5.0 kg/mm², and have good fluidity. They are useful as supports for catalysts, adsorbents for polymeric substances, etc.

IW - POROUS CARBON PARTICLE PRODUCE GRANULE CARBON BLACK SPHERE PARTICLE IMPREGNATE CARBONISE BIND SYNTHETIC RESIN TAR PITCH

AW - CATALYST SUPPORT ADSORB

PN - JP54041296 A 19790402 DW197919 000pp
- JP61041842B B 19860918 DW198642 000pp

IC - B01D15/00 ;B01J27/20 ;C01B31/02 ;C09C1/56

MC - A10-E05B A12-B A12-W11B A12-W11D E31-N02 J01-D01 J01-E03 J04-E03 N04-A

DC - A81 E36 J01 J04

PA - (MITU) MITSUBISHI CHEM IND LTD

PR - JP19770107562 19770907

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